

Notice of Allowability

Application No.

09/729,336

Applicant(s)

NEUKERMANS ET AL.

Examiner

Mike Stahl

Art Unit

2874

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to amendment filed August 6, 2003.
2. ☒ The allowed claim(s) is/are 24,25,31,32,37,38,47-53,55,57,58,61 and 65-78.
3. ☒ The drawings filed on 01 December 2000 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
 - * Certified copies not received: _____.
5. ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
 - (a) ☐ The translation of the foreign language provisional application has been received.
6. ☒ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. **THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

7. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
8. ☐ CORRECTED DRAWINGS must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No. _____.
 - (b) ☐ including changes required by the proposed drawing correction filed _____, which has been approved by the Examiner.
 - (c) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No. _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet.

9. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|--|---|
| 1 <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 2 <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3 <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 4 <input type="checkbox"/> Interview Summary (PTO-413), Paper No. _____ |
| 5 <input type="checkbox"/> Information Disclosure Statements (PTO-1449), Paper No. _____ | 6 <input checked="" type="checkbox"/> Examiner's Amendment/Comment |
| 7 <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit of Biological Material | 8 <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9 <input type="checkbox"/> Other _____ |

This office action is in response to the amendment filed August 6, 2003. The changes to the claims have been entered. Claims 24-25, 31-32, 37-38, 47-53, 55, 57-58, 61, and 65-78 remain.

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

The application has been amended as follows:

- In claim 37, last line, replace "s" with "electrical signals".
- In claim 38, line 4, replace "s" with "electrical signals".
- In claim 47, ninth line from the end reading "semiconductor layer of a silicon wafer (162)", delete the period at the end of this line.
- In claim 67, line 3, delete "5" after "monolithically", and line 6, delete "10" after "handle layer".
- In claim 69, line 2, after "group consisting" delete "glass, aluminum oxide and aluminum of silicon, polysilicon, Pyrex nitride" – and insert "of silicon, polysilicon, Pyrex glass, aluminum oxide and aluminum nitride".
- In claim 72, line 3, delete "5" after "supplied to".

- In claim 73, insert "electrical signal" after "receives an".
- In claim 74, delete "5" after "orientation," and insert "electrical signal" after "supplying the".

These changes are necessary for the following reasons: The replacement claims submitted August 6 did not incorporate the changes to claims 37, 38, 73, and 74 made by the preliminary amendment filed April 14, 2003. Also there is an erroneous "5" or "10" appearing in claims 67, 72, and 74; it appears that applicant inadvertently included the claim line numbers in the replacement version. In claim 47 an unnecessary period was included after the limitations from previous claim 40. The material listing in claim 69 was obviously mistranscribed in the replacement version.

Allowable Subject Matter

Claims 24-25, 31-32, 37-38, 47-53, 55, 57-58, 61, and 65-78 are allowed. Claims 67-78 remain allowed as set forth in the last office action. Applicant has incorporated the previously identified allowable subject matter of claims 24-25, 31-32, 37, 47, 49, 55, 57, 61, and 65 into proper independent form. Claims 38, 48, 50-53, 58, and 66 are allowable by dependence from presently allowed parent claims.

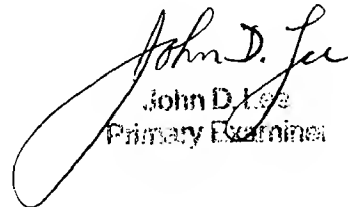
Conclusion

US 6560384, US 2002/0176654, and US 2002/0126455 do not qualify as prior art, but are made of record because they disclose subject matter very similar to that of the present application.

Any inquiry concerning this communication should be directed to Mike Stahl at (703) 305-1520. Official communications eligible for submission by facsimile may be faxed to (703) 872-9318 (before final) or (703) 872-9319 (after final). Inquiries of a general or clerical nature (e.g., a request for a missing form or paper, etc.) should be directed to the Technology Center 2800 receptionist at (703) 308-0956 or to the technical support staff supervisor at (703) 308-3072.

MJS

Michael J. Stahl
Patent Examiner
Art Unit 2874


John D. Lee
Primary Examiner

September 25, 2003